

Figure 1

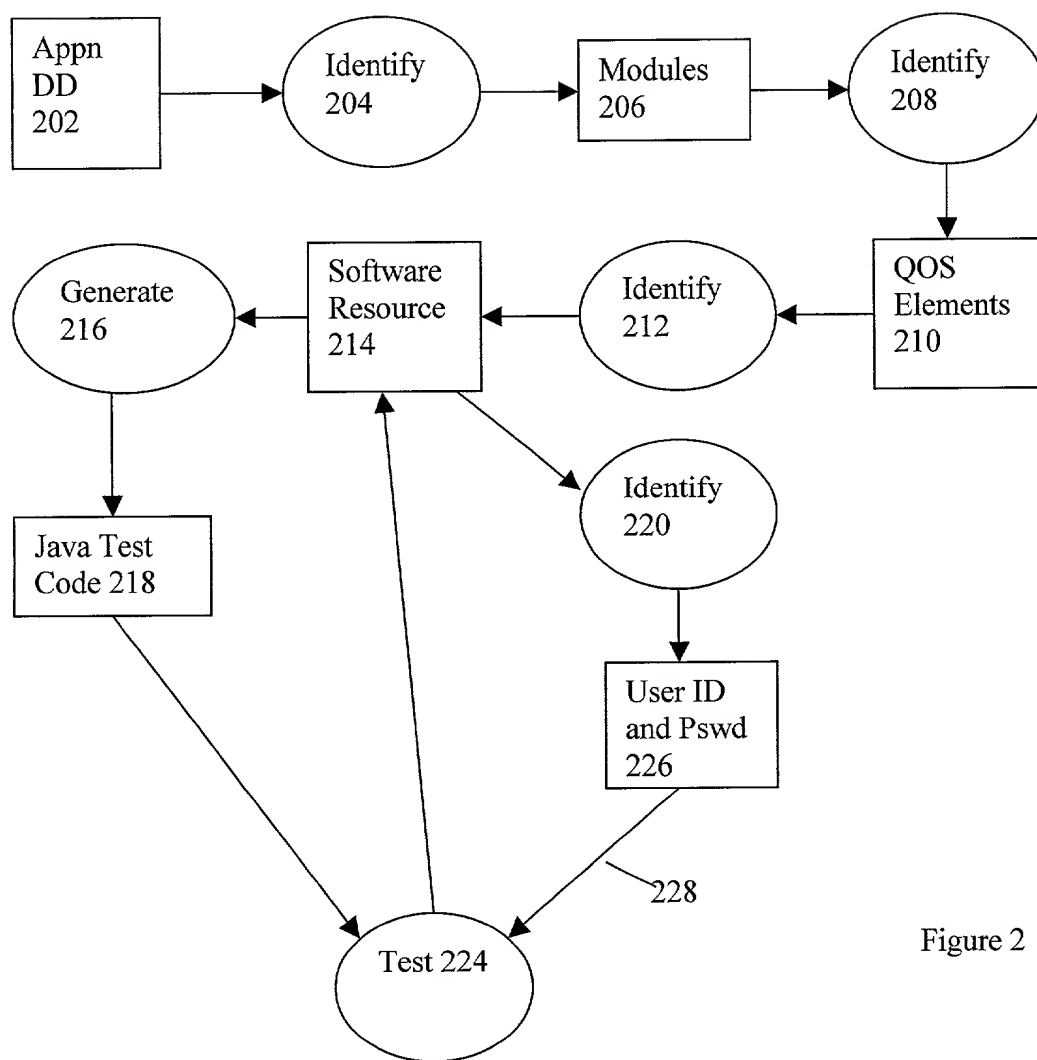


Figure 2

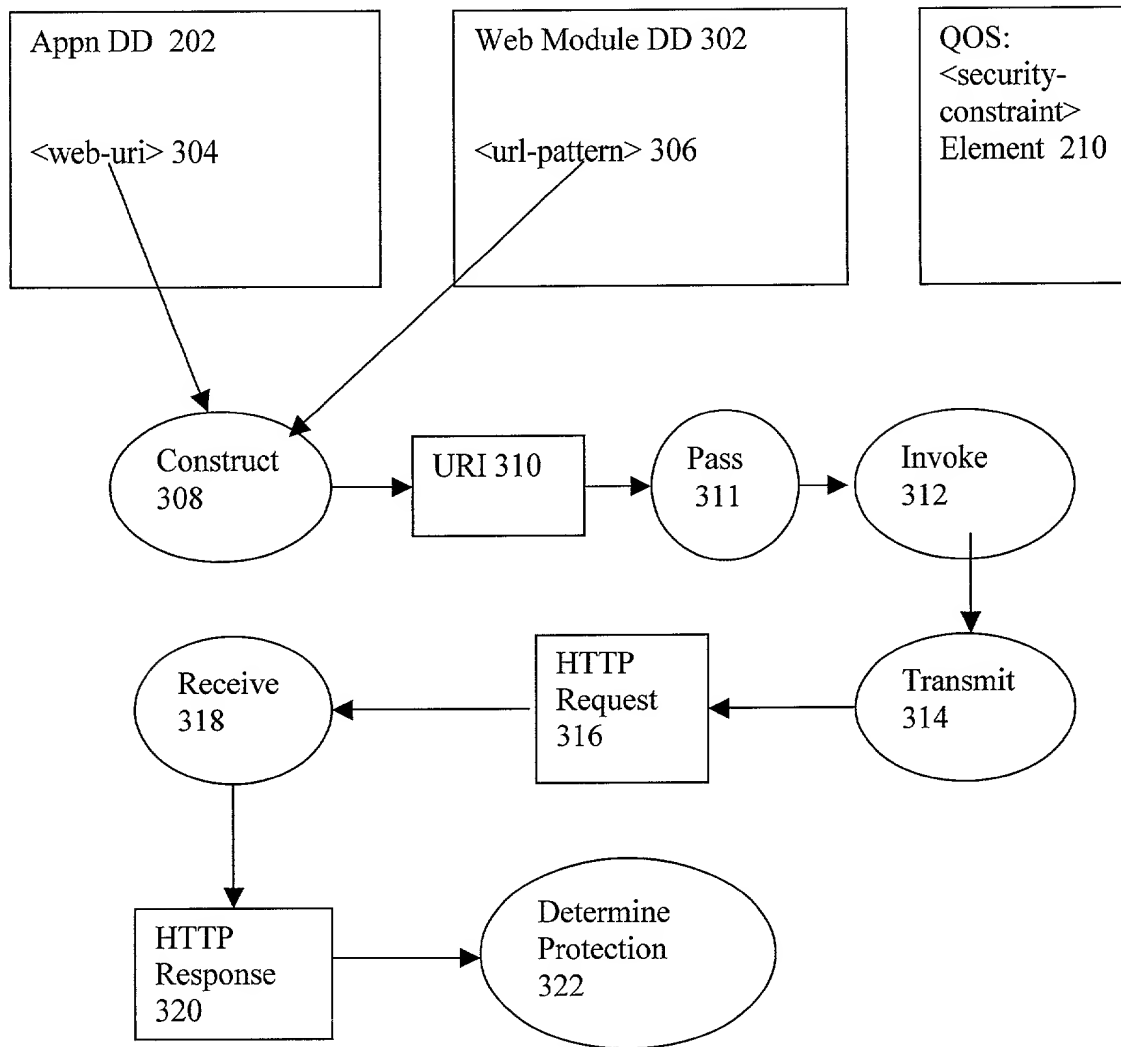


Figure 3

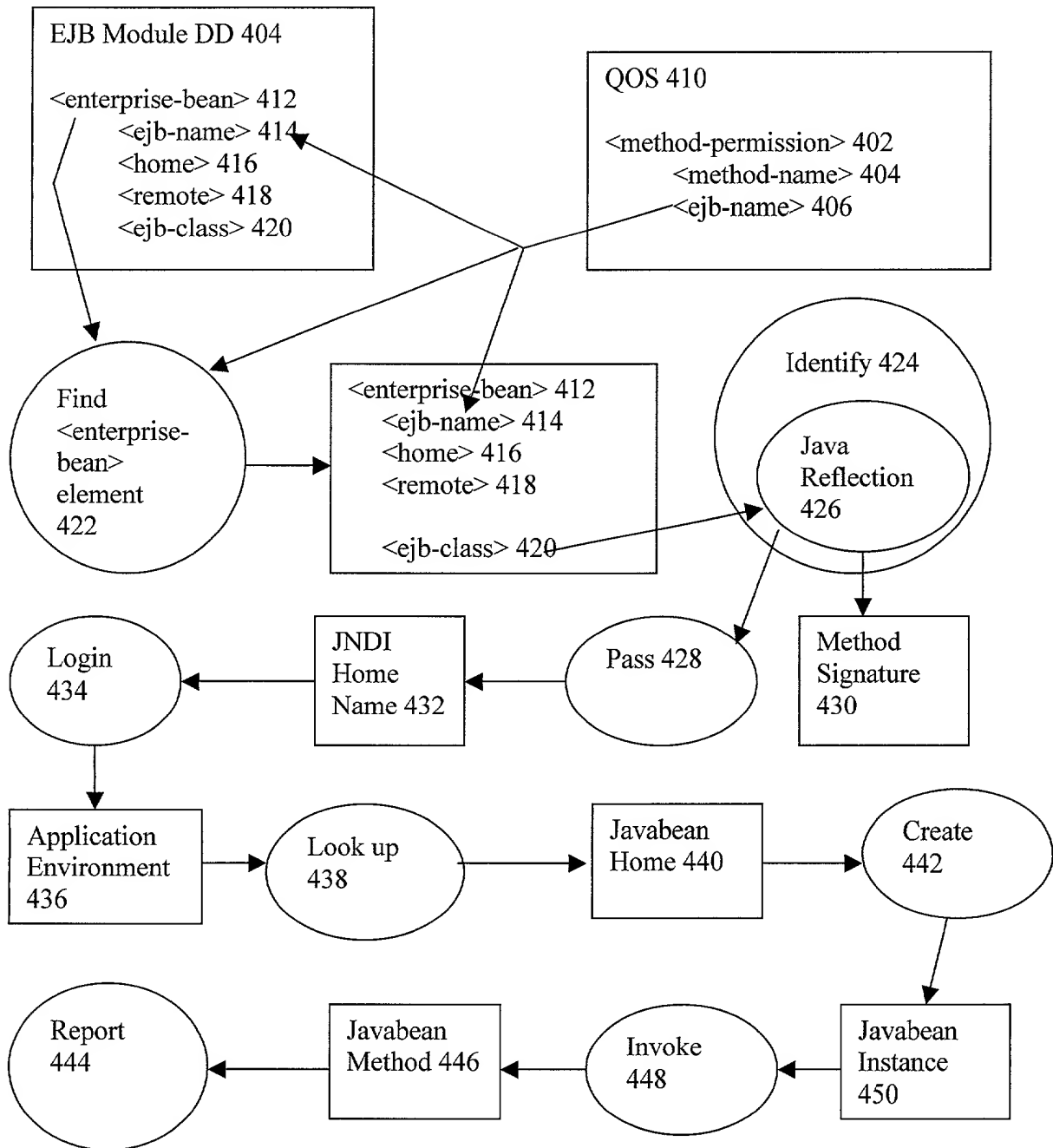


Figure 4

From application.xml

```
<module id="WebModule_1">
  <web>
    <web-uri>PBSecFVTServlet1.war</web-uri>
    <context-root>/secfvt/servlets/basicauth</context-root>
  </web>
</module>

<module id="EjbModule_4">
  <ejb>SecFVTS4EJB.jar</ejb>
  <alt-dd></alt-dd>
</module>

<security-role id="SecurityRole_1">
  <description>Manager in an enterprise</description>
  <role-name>Manager</role-name>
</security-role>
```

Figure 5 – Excerpt From An Exemplary
Application Deployment Descriptor

From web.xml

```
<security-constraint id="SecurityConstraint_1">
  <web-resource-collection id="WebResourceCollection_1">
    <web-resource-name>Protected Area</web-resource-name>
    <url-pattern>/SecFVTServlet1/*</url-pattern>
    <http-method>DELETE</http-method>
    <http-method>GET</http-method>
    <http-method>POST</http-method>
    <http-method>PUT</http-method>
  </web-resource-collection>
  <auth-constraint id="AuthConstraint_1">
    <role-name>Manager</role-name>
    <role-name>Employee</role-name>
  </auth-constraint>
</security-constraint>
```

Figure 6 – Excerpt From An Exemplary
Deployment Descriptor For A
Web Module

From an ejb-jar.xml:

```

<method-permission id="MethodPermission_1">
  <description>Allow AllAuthenticated users to create
    SecFVTS1EJB</description>
  <role-name>AllAuthenticated</role-name>
  <method id="MethodElement_1">
    <ejb-name>SecFVTS1EJB</ejb-name>
    <method-intf>Home</method-intf>
    <method-name>create</method-name>
    <method-params>
      <method-param>java.lang.String</method-param>
    </method-params>
  </method>
</method-permission>

<enterprise-beans>
  <session id="Session_1">
    <description>Security FVT Stateful Session Bean Test
      #1</description>
    <display-name>SecFVTS1EJB</display-name>
    <small-icon></small-icon>
    <large-icon></large-icon>
    <ejb-name>SecFVTS1EJB</ejb-name>
    <home>com.ibm.ws.secfvt.jars.ejb.SecFVTS1Home</home>
    <remote>com.ibm.ws.secfvt.jars.ejb.SecFVTS1</remote>
    <ejb-class>com.ibm.ws.secfvt.jars.ejb.SecFVTS1EJB</ejb-class>
    <session-type>Stateful</session-type>
    <transaction-type>Bean</transaction-type>
    <security-role-ref id="SecurityRoleRef_1">
      <description>Used for principal verification</description>
      <role-name>Emp</role-name>
      <role-link>Employee</role-link>
    </security-role-ref>
    <security-role-ref id="SecurityRoleRef_2">
      <description>Used for principal verification</description>
      <role-name>Mgr</role-name>
      <role-link>Manager</role-link>
    </security-role-ref>
  </session>
</enterprise-beans>

```

Figure 7 – Excerpt From An Exemplary
Deployment Descriptor For An
EJB Module